

What is claimed is:

1. An improved touch panel with a polarizer integrally formed therein, which comprises a touch panel including an upper substrate having an upper sheet and a transparent conductive film formed below said upper sheet, a lower substrate having a transparent conductive film like said transparent conductive film of said upper substrate and a lower sheet formed below said transparent conductive film, dot spacers for insulating said upper and lower substrates from each other, and electrodes for applying voltage to a resistive film disposed between said upper and lower sheets; and a polarizer bonded to said lower sheet of said touch panel for converting visual light to linearly polarized light, the improvement comprising:

said polarizer sequentially having an upper base, an optical film base and a lower base; and

an adhesive layer, which is bonded together to said lower sheet of said touch panel and causes said polarizer to be integrated with said touch panel in order to manufacture a laminate structure thereof, is further provided on an upper face of said upper base of said polarizer.

2. The improved touch panel with the polarizer integrally formed therein as claimed in claim 1, wherein said adhesive layer is formed as an entirely deposited face having a constant thickness so that said face of said polarizer can be entirely covered with said adhesive layer.

3. An improved touch panel with a polarizer integrally formed therein, which comprises a touch panel including an upper substrate having an upper sheet and a transparent conductive film formed below said upper sheet, a lower substrate having a transparent conductive film like said transparent conductive film of said upper substrate
5 and a lower sheet formed below said transparent conductive film, dot spacers for insulating said upper and lower substrates from each other, and electrodes for applying voltage to a resistive film disposed between said upper and lower sheets; and a polarizer bonded to said lower sheet of said touch panel for converting visual light to linearly polarized light, the improvement comprising:

10 said dot spacers formed between said respective transparent conductive films of said upper and lower sheets are formed on said lower sheet so that said upper and lower substrates are laminated to each other;

said polarizer sequentially having an upper base, an optical film base and a lower base;

15 an adhesive layer, which is bonded together to said lower sheet of said touch panel and causes said polarizer to be integrated with said touch panel in order to manufacture a laminate structure of said touch panel, is provided on an upper face of said upper base of said polarizer; and

another adhesive layer for causing said polarizer incorporated into said touch
20 panel to be bonded to an upper glass sheet of a liquid crystal display device, is provided on a lower face of said lower base of said polarizer.

4. The improved touch panel with the polarizer integrally formed therein as

claimed in claim 3, wherein said upper adhesive layer of said polarizer is formed as an entirely deposited face having a constant thickness so that said upper face of said polarizer is entirely covered with said adhesive layer, and said lower adhesive layer of said polarizer is formed as an entirely deposited face having a constant thickness so that
 5 said lower face of said polarizer is entirely covered with said adhesive layer.

5. An improved flat panel display with a touch panel integrally formed therein, which comprises a touch panel including an upper substrate having an upper sheet and a transparent conductive film formed below said upper sheet, a lower substrate having a
 10 transparent conductive film like said transparent conductive film of said upper substrate and a lower sheet formed below said transparent conductive film, dot spacers for insulating said upper and lower substrates from each other, and electrodes for applying voltage to a resistive film disposed between said upper and lower sheets; a polarizer bonded to said lower sheet of said touch panel for converting visual light to linearly
 15 polarized light; a liquid crystal display device bonded to said polarizer and including an upper glass sheet, liquid crystals and a lower glass sheet; and another polarizer bonded to said lower glass sheet of said liquid crystal display device, the improvement comprising:

said dot spacers formed between said respective transparent conductive films of said upper and lower sheets are formed on said lower sheet so that said upper and lower
 20 substrates are laminated to each other;

said polarizer bonded to said lower sheet sequentially having an upper base, an optical film base and a lower base, and further having an adhesive layer, on an upper face of said upper base thereof, which is bonded together to said lower sheet of said touch

panel and causes the polarizer to be integrated with said touch panel, and another adhesive layer for causing said polarizer incorporated into said touch panel to be bonded to said upper glass sheet of said liquid crystal display device, on a lower face of said lower base thereof; and

5 said polarizer bonded to said lower glass sheet of said liquid crystal display device sequentially having an adhesive layer, an upper base, an optical film base and a lower base, is then bonded to said lower glass sheet of said liquid crystal display device.

6. The improved flat panel display with the touch panel integrally formed therein
10 as claimed in claim 5, wherein said adhesive layer disposed on said upper face of said polarizer is formed as an entirely deposited face having a constant thickness so that said upper face of said polarizer is entirely covered with said adhesive layer.

7. An improved method for manufacturing a flat panel display with a touch panel
15 integrally formed therein by bonding one face of a polarizer to a lower sheet of said touch panel, forming a laminate structure of said touch panel with said polarizer integrally formed therein, and bonding the opposite face of said polarizer of said touch panel with said polarizer integrally formed therein to an upper glass sheet of a liquid crystal display device, the improvement comprising the steps of:

20 forming dot spacers on a transparent conductive film of said lower sheet and bonding upper and lower substrates of said touch panel with transparent conductive films of upper and lower sheets facing each other;

 bonding said lower sheet of said touch panel to an adhesive layer formed on one